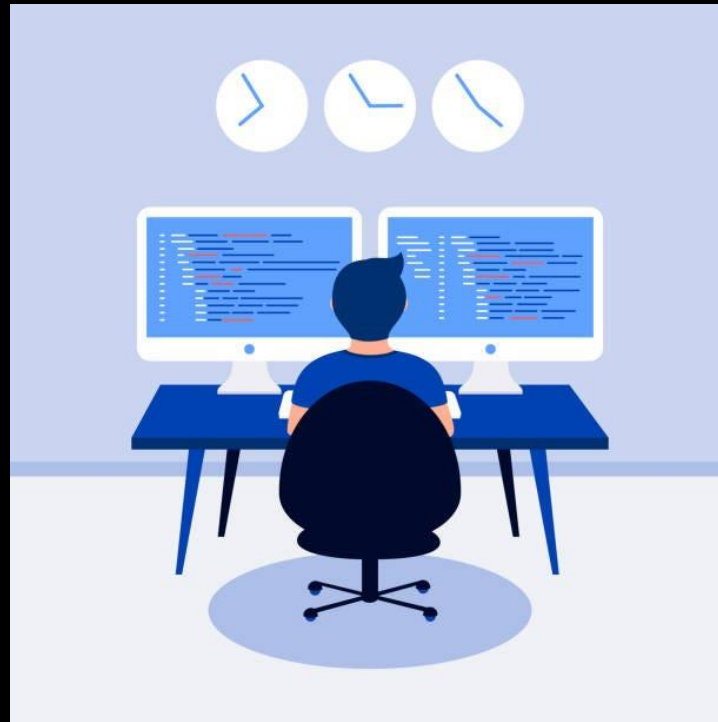


# Quantifying Culture

(Class 1)

An introduction to R programming language



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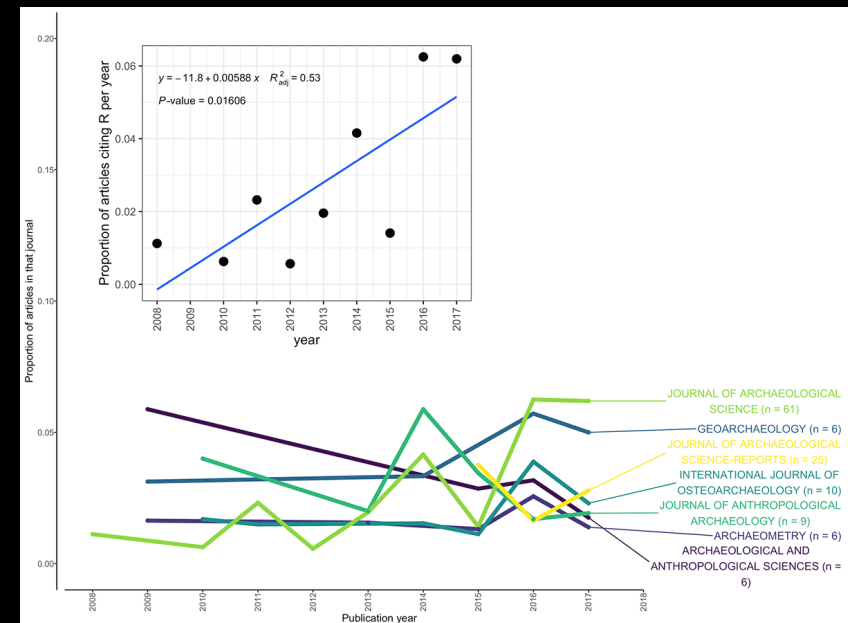
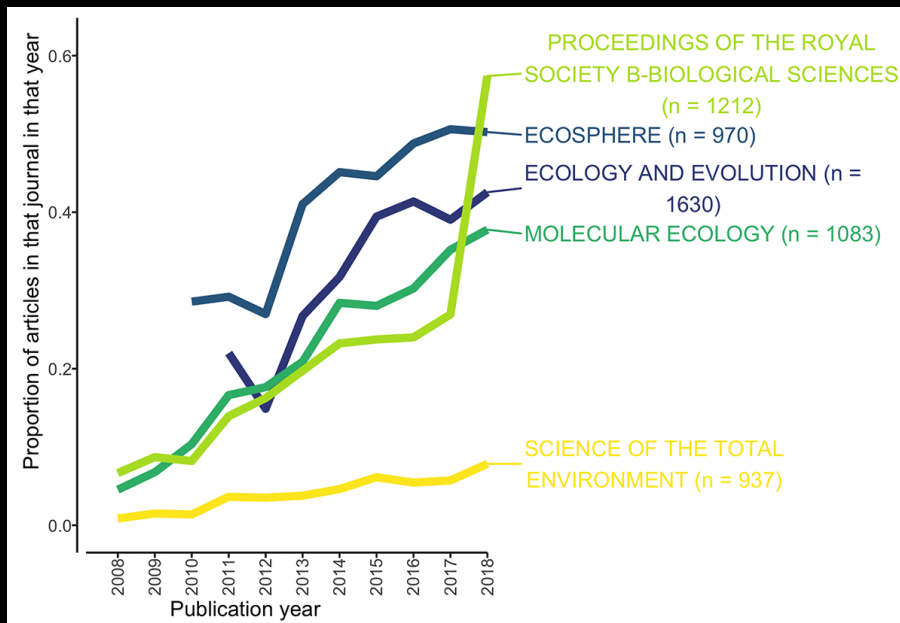
Alessio Palmisano  
University of Turin



# Schedule

- An introduction to R programming language (class 1)
- Looking at data - numerical summaries and graphs (class 2)
- Introducing inferential statistics (class 3)
- Introduction to the basic principles of Open Science (class 4)
- Review and final assessment (class 5)

# Why R ?



Schmidt, SC and Marwick, B. 2020. Tool-Driven Revolutions in Archaeological Science. *Journal of Computer Applications in Archaeology* , 3(1), pp. 18–32. DOI: <https://doi.org/10.5334/jcaa.29>

# Why ?

- Powerful for Data Analysis & Visualization
- Widely Used in Research & Academia
- Free & Open Source
- Excellent for Statistical Modelling
- Integrates Well with Other Tools
- It works on different OS (Windows, Mac, Linux)

# First step: Download and install R



- <https://www.r-project.org/>

# Second step: Download and install RStudio

RStudio is an integrated development environment (IDE) specifically designed for the R programming language.



- <https://posit.co/download/rstudio-desktop/>

# Textbook for data scientists

<https://r4ds.had.co.nz/index.html>

